

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/012681 A3

(51) International Patent Classification⁷: **A01N 37/18**,
C12P 21/00, 21/06

(21) International Application Number:
PCT/US2003/024518

(22) International Filing Date: 4 August 2003 (04.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/400,851 2 August 2002 (02.08.2002) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
11 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **CANCER VACCINES CONTAINING EPITOPES OF ONCOFETAL ANTIGEN**

(57) Abstract: Disclosed are fragments of oncofetal antigen, otherwise known as immature laminin receptor protein that specifically stimulate one T cell subclass. The fragments may be formulated into compositions for potentiating T cell-mediated response in mammalian cancer patients. They also have therapeutic uses in vitro.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/24518

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01N 37/18; C12P 21/00, 21/06
US CL : 514/2; 435/68.1, 69.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/2; 435/68.1, 69.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NUKAYA et al Identification of the HLA-A24 Epitope Peptides of Carcinoembryonic Antigen Which Induce Tumor-Reactive Cytotoxic T Lymphocyte. Int. J. Cancer. January 1999, Vol. 80, No. 1, pages 92-97, see entire document.	1-13
Y	US 6,080,725 A (MARCIANI) 27 June 2000 (27.06.2000), see entire document.	1-13
Y	COGGIN JR. et al 37 KiloDalton Oncofetal Antigen Protein and Immature Laminin Receptor Protein are Identical, Universal T-Cell Inducing Immunogens on Primary Rodent and Human Cancers. Anticancer Res. November-December 1999, Vol. 19, No. 6C, pages 5535-5542, especially page 5541.	1-13
A	ARMSTRONG et al. Vaccines in Oncology: Background and Clinical Potential. British Journal of Radiology. November 2001, Vol. 74, No. 887, pages 991-1002, see entire document.	1-13



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Date of the actual completion of the international search

14 September 2004 (14.09.2004)

Date of mailing the international search report

08 OCT 2004

Name and mailing address of the ISA/US

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